In the Drawings

Substitute the enclosed new sheet 4 of the drawing, labeled "Replacement Sheet", for original sheet 4.

In the Description

Page 6, lines 5 – 7, kindly amend this paragraph to read as follows:

In such a manner, the pouch body 10 has a space enough to allow the coolant 12 flow even if an external force is applied to the ~~ouch~~ pouch body 10, thereby promoting ~~sooth~~ smooth flow of the coolant 12. See FIG. 22

REMARKS

As required by the Examiner, sheet 4 of the drawing as been amended for the purpose of correcting the use of reference numerals 10a and 10b in Fig. 6 of the drawing which appears on this sheet.

On page 6 of the specification, line 6, "ouch" has been changed to --pouch-- and "sooth" has been changed to --smooth--.

Claims 1 – 11 have been canceled and new claims 12 – 16 have been substituted in their place. All of the new claims specify a pouch that has flexible sidewalls and an inner space and a "resilient body of porous material in the inner space." The claims further specify "a coolant inlet leading into the pouch and into the body of porous material" and "a coolant outlet leading from the body of porous material and outwardly from the pouch." These claims all specify that "said body of porous material being compressible in an amount sufficient to allow it and a sidewall of the pouch to at least partially conform to the shape of the heat generating elements on the support member while maintaining circulation space in the pouch for coolant so that the coolant can enter the pouch, flow through the porous body, and then flow out from the coolant outlet." These features are best shown by Figs. 1 – 3 and 22.

Mizzi 5,245,508 discloses a cooling membrane 35 that in use contacts a circuit board 15. In column 3, lines 58 – 62, it is stated:

> The fluid is pumped through the cooling membrane 35 and the membrane is in contact with the electrical components on the circuit board 15 so that the heat generated by the components is transmitted to the fluid and removed from the circuit board.

Mizzi 5,245,508 does not, however, disclose "a resilient body of porous material in the inner space" of the membrane 35. It does not disclose "a coolant inlet leading

into the pouch and into the body of porous material" nor "a coolant outlet leading from the body of porous material and outwardly from the pouch."

Layton et al. 5,323,294 does not disclose "a pouch comprising flexible sidewalls that meet and are connected together at a periphery." Rather, it discloses a "lid 13" that extends over "an integrated circuit chip 11. A "spongy compliant member 15" is positioned between the chip 11 and the lid 14. The member 15 includes passageways through which a liquid metal flows.

There is nothing disclosed in Layton et al. 5,323,294 that would make it obvious to provide "a pouch comprising flexible sidewalls that meet and are connected together at a periphery" and then position "a resilient body of porous material in the inner space" of the pouch. No evidence is produced that would make it obvious to provide the coolant jacket with "a coolant inlet leading into the pouch and into the body of porous material" and "a coolant outlet leading from the body of porous material and outwardly from the pouch."

Claim 13 depends from claim 12 and specifies that "the pouch is bendable to place a first portion of the pouch on a first side of the support member and a second portion of the pouch on a second side of the support member." As stated in claim 1, the "pouch" in question includes the "resilient body of porous material", the "coolant inlet leading into the pouch and into the body of porous material", and the "coolant outlet leading from the porous material and outwardly from the pouch."

Claim 14 depends from claim 13 and specifies "a clip for holding the folded pouch on the support member, with its first portion pressed against a first side of the support member and its second portion pressed against the opposite side of the support member." This feature is not disclosed by the reference patents. The Examiner relies on Havranek et al. 4,733,720 for the use of "a clipping device", making

reference to springs 10 in Fig. 1 of the patent. Quite clearly, however, this patent does not disclose "a clip for holding the folded pouch on the support member, with its first portion pressed against a first side of the support member and its second portion pressed against the opposite side of the support member."

Claim 15 depends from claim 12 and specifies that "the body of porous material is a sponge that is soft and loose for smooth circulation of a coolant, said sponge having a predetermined elasticity in order to establish circulation space in the pouch for a coolant and establish a versatile contact elasticity."

The Examiner relies on Larson et al. 5,560,423 for the teaching of positioning "a resilient body or porous material" within a pouch. However, the element 14 disclosed by this patent is stated to be "wicking material." There is no disclosure that it is a "sponge that is soft and loose for smooth circulation of a coolant", as required by claim 15. Quite importantly, this patent does not disclose "a coolant inlet leading into the pouch and into the body of porous material" and "a coolant outlet leading from the body of porous material and outwardly from the pouch."

Claim 16 depends from claim 12 and specifies that "the pouch comprises a first edge and a second edge spaced from the first edge", "the resilient body of porous material has a first edge adjacent the first edge of the pouch and a second edge positioned adjacent the second edge of the pouch", "the coolant inlet leads into the pouch through the first edge and the coolant outlet leads out from the pouch through the first edge", "wherein in one of said coolant inlet and said coolant outlet terminates in the resilient body of porous material adjacent the first edge of the resilient body of porous material" and "the other of said coolant inlet and coolant outlet terminating closely adjacent the second edge of the resilient body of porous material." This specific

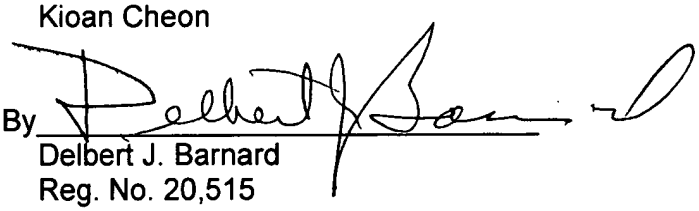
arrangement of features is neither disclosed by nor obvious from the referenced patents.

Claims 10 and 11 indicated to contain allowable subject matter are not being abandoned. Rather, these claims will be pursued in a different application.

It is submitted that claims 12 – 16 are patentable over the prior art. Accordingly, early reconsideration and allowance of this application are requested.

Respectfully submitted,

Kioan Cheon

By 

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